COCONUT TREE PESTICIDES SPRAYING MACHINE

Project Reference No.: 42S_BE_0754

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Keywords :
Coconut tree, Pump, Spraying nozzle, Pesticides, Insects, Coconut tree climber.

Introduction :
Agriculture was developed at least 10,000 years ago, and it has undergone significant
developments since the time of the earliest cultivation. Evidence points to the Fertile Crescent
of the Middle East as the site of the earliest planned sowing and harvesting of plants that had
previously been gathered in the wild. Independent development of agriculture is also believed to
have occurred in northern and southern China, Africa’s Sahel, New Guinea and several regions of
the Americas. Agricultural practices such as irrigation, crop rotation, fertilizers, and pesticides
were developed long ago but have made great strides in the past century. The Haber-Bosch
method for synthesizing ammonium nitrate represented a major breakthrough and allowed crop
yields to overcome previous constraints. In the past century, agriculture has been characterized
by enhanced productivity, the substitution of human.

Coconut plantation is one of the agriculture activities in the southern part of India. Socio cultural
compulsions made crops like coconut, economically viable for the planters.

Objectives :
1. To help the farming community by reducing the no of manual labourers required for
   performing the operations.
2. Mainly does not need to climb the tree, whenever spraying the pesticides solution.
3. Should not harm the tree.
4. Should not waste the pesticides solution.
5. It should be compatible with traditional pumps.
6. To have minimum set-up time.

Methodology :
1. Problem Definition
2. Literature Survey
3. Selection of Design & Initial Sketches
4. Fabrication
5. Testing
6. Final Product
**Result and Conclusion:**

After going through the research work and problem definition the proposed project is expected to solve the following problems and the scope of the machine can be concluded as the results of the developed machine will be. The machine is eco friendly and doesn’t create any pollution. The machine is. To help the farming community by reducing the no of manual labourers required for performing the operations. Mainly does not need to climb the tree, whenever spraying the pesticides solution. Should not harm the tree. Should not waste the pesticides solution. It should be compatible with traditional pumps. To have minimum set-up time.

**Scope For Future Work:**

After going through the research work and problem definition the proposed project is expected to solve the following problems and the scope of the machine can be concluded as the results of the developed machine will be

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